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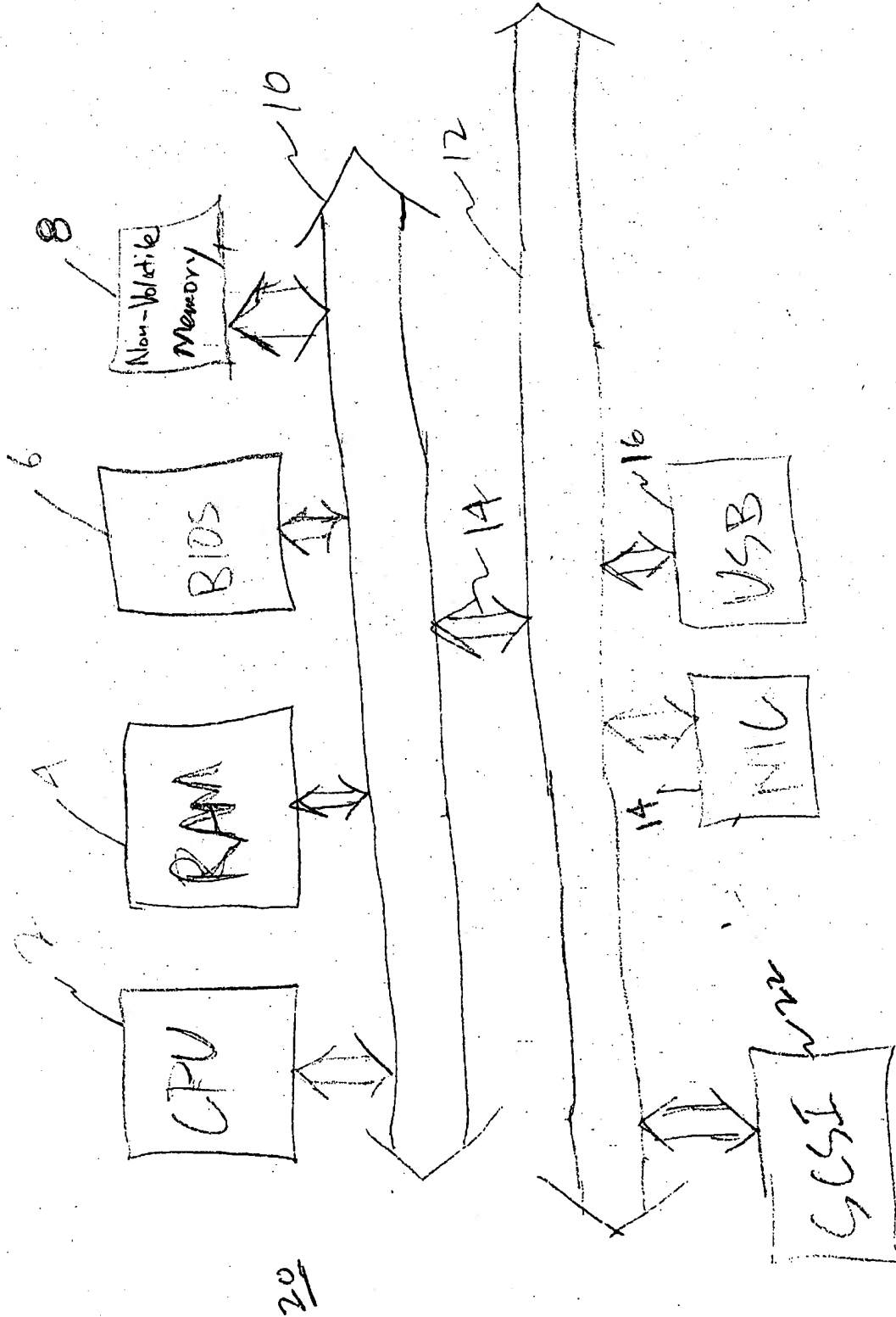


Figure 1

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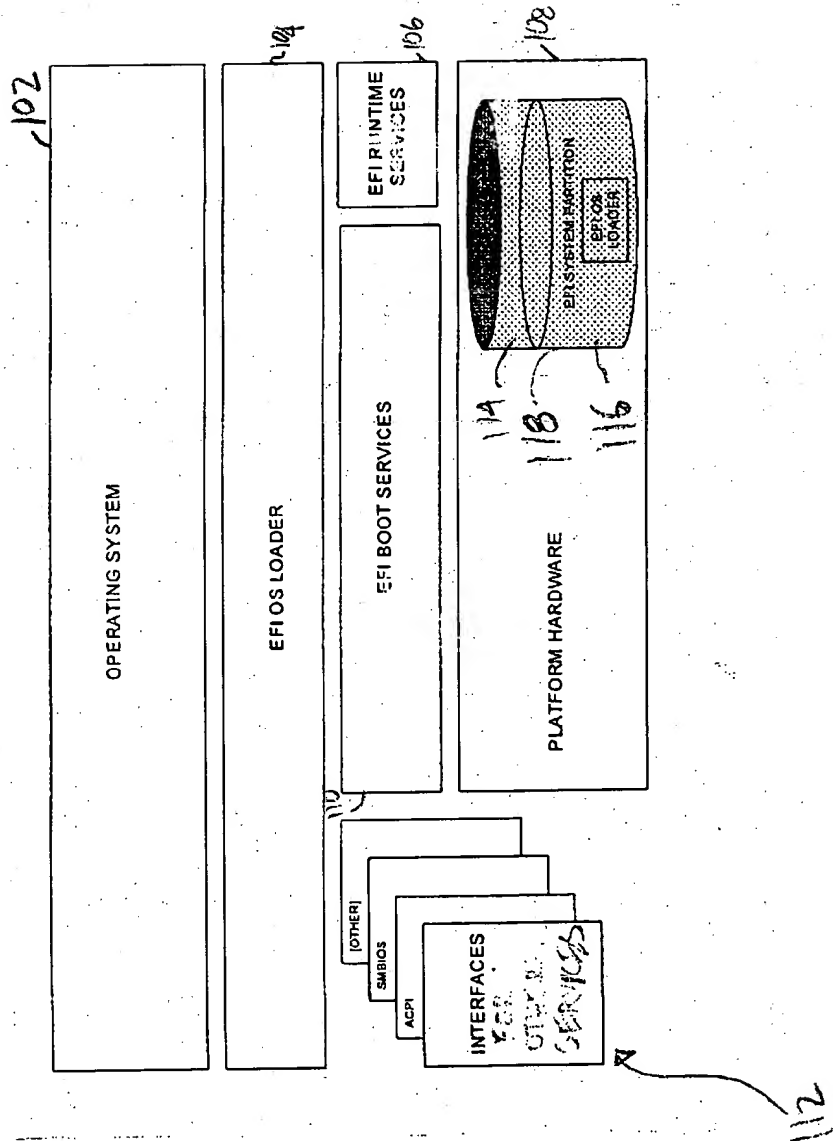


Figure 2

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Firmware loads the diagnostic test as an EFI driver and its entry point function is called.

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In the diagnostic driver's entry point function do the following
 > **CreateEvent(EVT_SIGNAL_VIRTUAL_ADDRESS_CHANGE, TPL_NOTIFY, CallbackFunctionForPointerFixup,);**
 > **InstallConfigurationTable(DiagsGUIDXYZ, &DiagnosticMain);**

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Firmware does other things and the OS is being booted

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OS/OS loader called SetVirtualAddressMap()

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Yes. EVT_SIGNAL_VIRTUAL_ADDRESS_CHANGE is signaled.

CallbackFunctionForPointerFixup will be invoked and that will Update any internal pointers, addresses using the ConvertPointer() function

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OS is successfully booted

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Applications can locate the diagnostic test by Finding the GUID DiagsGUIDXYZ in EFI system table. This entry will have the pointer for the diagnostic test entry point.

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Figure 3